

WHAT IS CLAIMED IS:

1. An image sensing apparatus having an image sensing device, comprising:
 - driving means for driving the image sensing device by a plurality of driving schemes;
 - pixel defect information storage means for storing pixel defect information as information about a pixel defect in the image sensing device in correspondence with each driving scheme; and
 - 10 correction means for correcting the pixel defect by referring to the pixel defect information in said pixel defect information storage means in accordance with the driving scheme with which said driving means drives the image sensing device.
- 15 2. The apparatus according to claim 1, wherein the pixel defect information is formed from basic pixel defect information generated by driving the image sensing device by a basic driving scheme and detecting the pixel defect and the other pixel defect information corresponding to the other driving scheme, which is generated on the basis of a relationship between said other driving scheme and the basic driving scheme and the basic pixel defect information.
- 20 3. The apparatus according to claim 2, wherein the basic driving scheme is a driving scheme that reads all pixels of the image sensing device.
- 25 4. The apparatus according to claim 2, wherein a

data amount of said other pixel defect information is smaller than that of the basic pixel defect information.

5. The apparatus according to claim 1, wherein said 5 pixel defect information storage means is a nonvolatile recording medium.

6. An image sensing method using an image sensing apparatus having an image sensing device and driving means for driving the image sensing device by a 10 plurality of driving schemes, comprising:

correcting a pixel defect by referring to pixel defect information in pixel defect information storage means in accordance with the driving scheme with which the driving means drives the image sensing device, the 15 pixel defect information storage means storing the pixel defect information as information about the pixel defect in the image sensing device in correspondence with each driving scheme.

7. A computer-readable recording medium which 20 records a program for an image sensing apparatus having an image sensing device and driving means for driving the image sensing device by a plurality of driving schemes, characterized by causing a computer in the image sensing apparatus to execute processing for 25 correcting a pixel defect by referring to pixel defect information in pixel defect information storage means in accordance with the driving scheme with which

the driving means drives the image sensing device, the pixel defect information storage means storing the pixel defect information as information about the pixel defect in the image sensing device in correspondence with each driving scheme.

8. A program for an image sensing apparatus having an image sensing device and driving means for driving the image sensing device by a plurality of driving schemes, characterized by causing a computer in the image sensing apparatus to execute processing for correcting a pixel defect by referring to pixel defect information in pixel defect information storage means in accordance with the driving scheme with which the driving means drives the image sensing device, the pixel defect information storage means storing the pixel defect information as information about the pixel defect in the image sensing device in correspondence with each driving scheme.